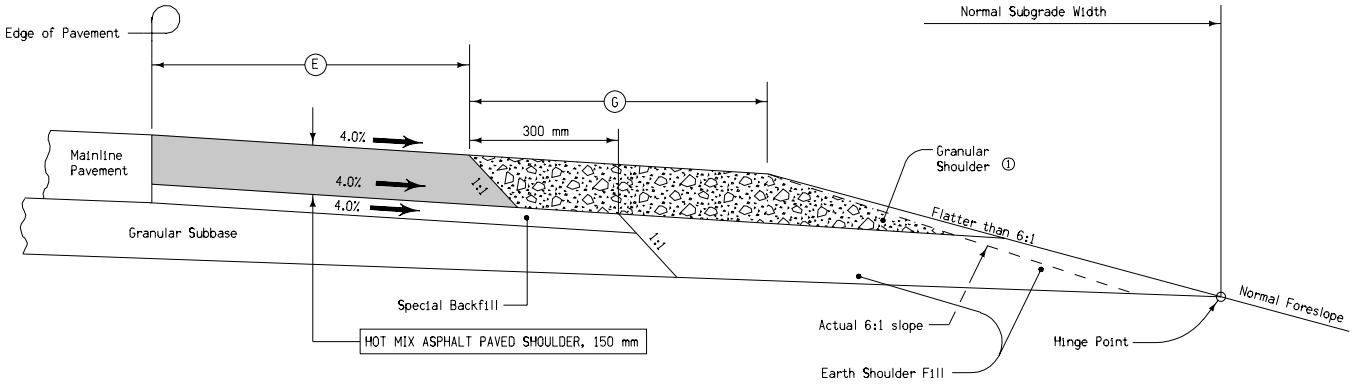
GENERAL NOTES:

Contract items:

Paved Shoulder, Hot Mix Asphalt Mixture, 150 mm.
Special Backfill
Granular Shoulders, Type A or Type B
Earth Shoulder Construction



TYPICAL SECTION
HOT MIX ASPHALT PAVED SHOULDER

① Rates indicated are for design purposes. Quantities listed are for one shoulder per station.

② Quantities shown are based on a design density of 2325 kilograms per cubic meter for Hot Mix Asphalt with an asphalt content of 6.0% utilizing a 19 millimeter aggregate mix size, with 45% crushed particles, and no special aggregate frictional requirements. N_{ini}, N_{des}, and N_{max} shall be 7, 68 and 104 respectively regardless of design ESALs for the pavement. Asphalt Binder PG58–28 shall be utilized with this mix.

③ Includes quantity for tack coating vertical face of adjacent pavement prior to placement of any base material. Tack Coat estimated at one (1) application at 0.2 liters per square meter.

④ Quantities have been determined on the basis of a design weight of 2250 kg per cubic meter and have been adjusted for hte flatter then 6:1 slope at the outside edge. Quantities indicated are for design purposes.

DESIGN QUANTITY TABLE ①

HMA SHOULDER ②																GRANULAR SHOULDER ④			
SURFACE AREA ⑤				HOT MIX ASPHALT				ASPHALT BINDER				TACK COAT ③							
Sq. Meters				MG				MG				Liters				MG			
E=1.2 m	E=1.8 m	E=2.4 m	E=3.0 m	E=1.2 m	E=1.8 m	E=2.4 m	E=3.0 m	E=1.2 m	E=1.8 m	E=2.4 m	E=3.0 m	E=1.2 m	E=1.8 m	E=2.4 m	E=3.0 m	G=0.6 m	G=1.2 m	G=1.8 m	G=2.4 m
120	180	240	300	44.47	65.39	86.32	107.24	2.67	3.92	5.18	6.43	30	42	54	66	50.9	71.1	91.4	111.7

All dimensions given in millimeters unless noted.

METRIC VERSION

Iowa Department of Transportation
Highway Division

STANDARD ROAD PLAN | RJ-34

REVISION: NEW.

REVISION NO.: New

REVISION DATE: 10-21-03

William G. Stein
APPROVED BY DESIGN METHODS ENGINEER

PARTIALLY PAVED SHOULDER
(150 mm HMA)